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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,593	10/29/2003	Brian Harold Kelley	030618	8306

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QUALCOMM INCORPORATED
5775 MOREHOUSE DR.
SAN DIEGO, CA 92121

EXAMINER

HASSAN, AURANGZEB

ART UNIT	PAPER NUMBER
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2182

NOTIFICATION DATE	DELIVERY MODE
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10/20/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/697,593	Applicant(s) KELLEY, BRIAN HAROLD	
	Examiner AURANGZEB HASSAN	Art Unit 2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 August 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-8, 11-13, 15, 18-22, 29-33, 35 and 36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-8, 11-13, 15, 18-22, 29-33, 35 and 36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/7/2008 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 2 – 8, 11 – 13, 15, 18 – 22, 29 – 33, 35 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Walters et al. (US Patent Number 6,914,695 hereinafter “Walters”) in view of Curtiss et al. (US Publication Number 2003/0162497, hereinafter “Curtiss”) in view of Findikli (US Patent Number 7,305,254).

4. As per claims 29, 33, 35 and 36, Walters teaches a medium, system, method and device comprising:

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a peripheral device (digital camera, element 11, figure 2);
a wireless device comprising (IBM ThinkPad, element 10, figure 2) ;
a computer platform (element 10, figure 2 runs Windows OS, column 2, lines 27 – 32), said computer platform comprising:

a plurality of resident programs, each resident program respectively associated with a communication protocol (column 5, lines 18 – 21); and
an operating system (Windows, column 2, lines 27 – 32) for managing resources of said wireless devices and for controlling an interaction of the wireless device said peripheral device;

wherein

said peripheral device selectively communicates with said wireless device using a specific communication protocol (Bluetooth, column 5, lines 18 – 21), and

upon said peripheral device communicating with said wireless device, said operating system identifies (device ID, figure 8) a selected resident program associated with said specific communication protocol and links said selected resident program with said peripheral device (column 13, lines 6 – 9), and

said operating system identifies said selected resident program by:

attempting to identify said peripheral device (figure 3) and
an identified peripheral device to a corresponds to one of said resident programs (HTML interface, column 13, lines 13 – 52).

Although Walters has the Windows operating system that maps peripherals based upon communication protocols resident on the host device (see note below), Walters does not explicitly disclose *automatically* mapping the peripheral device.

Curtiss teaches a medium, system, method and device, wherein:

if a peripheral is identified, automatically mapping from said identified peripheral device to a corresponding wireless device interface (paragraph [0057], or

if said peripheral is not identified, determining a communication protocol of said peripheral device wherein the determined communication protocol is used to automatically map to a corresponding wireless device interface (paragraph [0058-0059].

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify Walters with the device identification of Curtiss. One of ordinary skill would be motivated to make such modification in order to reduce engineering and manufacturing costs associated with providing communication to a peripheral post manufacture (paragraph [0013]).

Walters and Curtiss does not explicitly disclose the interface being identified as the resident program.

Findikli teaches when a peripheral device is identified, automatically mapping from said identified peripheral device to a corresponding one of said resident programs (figure 2).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the combination of Walters and Curtiss that of the resident software identification of Findikli. One of ordinary skill would be motivated to

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make such modification in order to enhance the flexibility of interaction between devices (column 1, lines 36 – 46).

The Examiner notes previously cited Rathbone as extrinsic evidence to the protocol utilized by the Windows Operating System in the installation of a peripheral. The operating system first attempts to identify the peripheral and install it based upon driver/communication protocol already resident in the host device. If the protocol is not found further attempts and prompts are made to attain communication (operating system Windows XP detects cameras when first plugged in, page 296 “Scanners and cameras”)

5. As per claims 2, 11, 18, and 30, Walters teaches a system, method, device, and medium wherein, the peripheral device communicates with the wireless device through a wired connection (cable connection, column 6, lines 32 – 43, USB Serial, column 2, lines 43 – 45).

The examiner cites two wired connectivity options taught by Walters.

6. As per claims 3, 12, and 19, Walters teaches a system, method, and device wherein, the peripheral device communicates with the wireless device through a wireless connection (Bluetooth, column 6, lines 32 – 47, infrared, column 2, lines 41 – 43).

The examiner cites two wireless connectivity options taught by Walters.

7. As per claims 4, 13, 20, and 31, Walters teaches a system, method, device, and medium wherein said attempting to identify comprises the peripheral device sending a class identifier (registered camera ID, column 8, lines 16 – 19) to the operating system of the wireless device and said successfully identified comprises the operating system determining the type of the peripheral device and selecting a resident program corresponding to an appropriate handler for that peripheral device based upon the class identifier (column 8, lines 11 – 51).

8. As per claims 5, 21, and 32, Walters teaches a system, device, and medium wherein said attempting to identify comprises the peripheral device sending a specific identifier (ID, column 8, lines 16 – 19) to the operating system of the wireless device and said successfully identified comprises the operating system determining the type of the peripheral device and selecting a resident program (column 8, lines 11 – 51) corresponding to an appropriate handler for that peripheral device based upon the specific identifier (column 8, lines 64 – 67, column 9, lines 1 – 23).

9. As per claims 6, 15, and 22, Walters teaches a system, method and device wherein the peripheral uses the wireless device as a communication portal to the Internet (column 11, lines 14 – 19).

10. As per claim 7, Walters teaches a system wherein, the peripheral device uses the wireless device as a communication portal over a telephone network (element 205, figure 4, column 9, lines 3 – 6).

11. As per claim 8, Walters teaches a system wherein, the peripheral device communicates with the computer platform of the wireless device through the communication portal of the computer platform (Bluetooth, column 5, lines 18 – 21).

Response to Arguments

12. Applicant's arguments with respect to claims 2 – 8, 11 – 13, 15, 18 – 22, 29 – 33, 35 and 36 have been considered but are moot in view of the new ground(s) of rejection.

The Applicant argues newly amended claim limitations of determining a communication protocol if a peripheral device is not identified for which the Examiner has provided citations from the newly cited references of Curtiss and Findikli.

Conclusion

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AURANGZEB HASSAN whose telephone number is (571)272-8625. The examiner can normally be reached on Monday - Friday 9 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz can be reached on (571)272-6729. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AH

/Tariq Hafiz/
Supervisory Patent Examiner, Art Unit 2182